

ABSTRACT

The invention relates to a sliding surface (1), which is applied by arc spraying with the aid of a rotating tool. During the spraying process, the parameters are to be set in such a way that all the material particles are fused. The benefit of the high degree of fusion is that the sliding surface (1) can be machined by precision turning without the uncontrolled eruption of material. The rotating spraying process orientates the surface roughness on the face (1.2) of the sliding surface (1) transversally in the peripheral direction. This enables valley structures in the form of recesses (1.1) to be produced during the precision turning process, said recesses having a Peklenit factor of less than 1, achieving a high degree of flow obstruction and forming a defined oil-retaining volume.